

The 50 MHz DX Bulletin

Volume 8, Issue 9

September 1997

ISSN 1073-1024

The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

Philip Williams, 5W1AU

I am saddened to pass along the news of 5W1AU, who died in Apia, Western Samoa, on September 20 of cancer. Phil activated the 6m 5W1WS beacon just this past spring according to ZL2TPY, Kerry. Kerry saw Phil in Auckland, New Zealand just three weeks ago. Phil will be missed by thousands of DXers. Kerry will try to find a new 6m beacon keeper in Western Samoa.

1997 50 MHz DX Marathon Results

Scores were down compared to previous years.

CALL	GRID	QSO	PTS	MULTIPLIER	FINAL SCORE
EH8BPX	IL18	63		9	576
SM7FJE	JO65	27		15	420
KM1E	FN53	51		4	208
YO7VS	KN14	0		10	10
VE7SKA	CN88	0		9	9
K6FV	CM87	0		9	9
XE2HWB	DL44	0		3	3

The top two winners will receive one year extensions to their subscriptions to the 50 MHz DX Bulletin.

A Contest Favoring The Southern Hemisphere

1997-8 6 mtr DX Marathon

The 50 MHz DX Bulletin is sponsoring a DX Marathon, in which the object is to work 6m stations in as many grid fields (10° x 20° areas) as possible. (The grid field is the first two letters of a grid square.) The contest period will run from 00Z December 20, 1997 to 00Z January 19, 1998. Only one QSO per station worked should be reported unless either station has changed grid fields, and only one QSO of distance shorter than 2200 km should be reported per grid field. Contacts made through repeaters do not qualify.

It is thus expected that participants will abstract those QSOs qualifying from their regular logs. The only over-the-air exchange required is call signs, but you are expected to log date & time UTC and to report the location or grid square with sufficient accuracy to verify the distance.

Scoring, < 2200 km, 0 points (but multiplier for new grid fields); 2200-3300 km, 1 point; 3300-4400 km, 2 points; 4400-5500 km, 3 points; 5500-6600 km, 4 points; 6600-7700 km, 5 points; 7700-8800 km, 6 points; etc. (one more point for each 1100 km). Final score = (Contact points + 1) X grid fields. Logs should be posted by February 14, 1998 to the 50 MHz DX Bulletin, PO Box 762, Menlo Park, CA 94026 USA.

ZL 50 MHz Operators Lose Out To TV

Some bad news has come from Bob, ZL3NE. Most Auckland 50 MHz operators tests failed due to TV4's new translator from Sky tower. According to Bob, TV4's coverage area in central Auckland has now changed and the boundary of the coverage area is only 500 m from his house!

Most stations in Auckland can not go below 52 MHz. The only stations who are still on are ZL1ADP from Great Barrier Island (the island adjacent to the Auckland label which I added to the figure below) and ZL1MQ, who can ONLY run 10w and is not permitted to beam NE (Stateside). It will be interesting what happens in the next up and coming F2 openings!

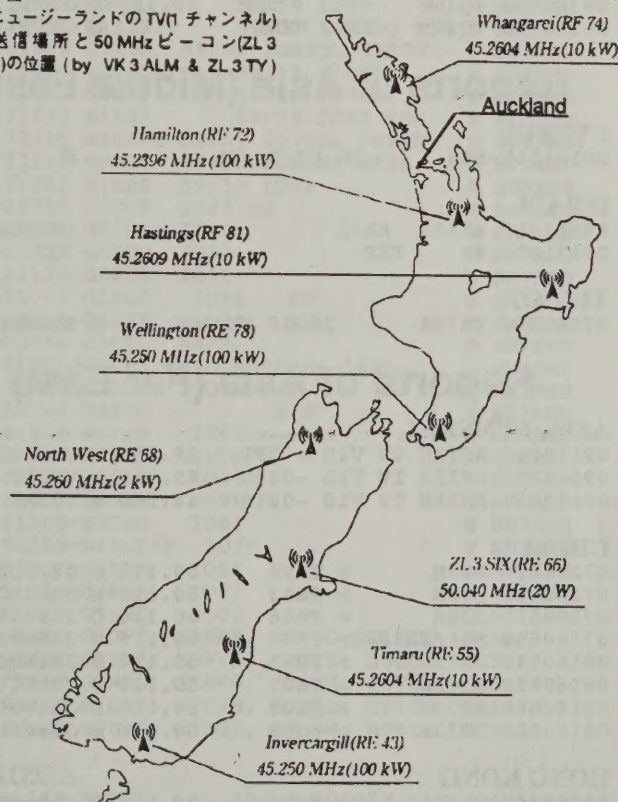
This is very sad for New Zealand as the 6m operators are yet again diminishing, there are still a few of us around on the band but for how long?

73's Mike ZL3TIC

The NICAM digital stereo sound recently added to New Zealand TV broadcasts may render the 51.0-51.1 MHz Pacific DX Window unusable for ZL contacts. Will your rig and antenna work properly at 52 MHz?

第1図

ニュージーランドのTV(1チャンネル)の送信場所と50 MHzビーコン(ZL3 SIX)の位置 (by VK3ALM & ZL3TY)



TV Channel 1 and ZL3SIX/b locations New Zealand

Figure from October 1997 *VUHF DX Topics* in Mobile Ham, editor Hatsuo Yoshida, JA1VOK.

June-September 97 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of SM7AED's *Six-metre Info*, JA1VOK's columns *World VHF News* in FIVE NINE and *V,UHF DX Topics* in MOBIL HAM, GJ4ICD's *Internet Six News* (marked with #), G4UPS, VK3OT, SP5XMU, VE7SKA, EH8BPX, K6QXY, W0MTK, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1997. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, T=Television, W=worked, mode not mentioned, H=heard only.

Reports of Africa

EGYPT

08011935 SU1ER KM50 W SM7AED

LIBYA

09022158 5A28 -2202 52 > IO80 50.128 H G4IGO

MADEIRA IS.

08171014 CT3FT 59/59 IM13 50.200 S EH8BPX

MALAWI

09161733 7Q7RM TEP 50.110 W G0CGL
09161740 7Q7RM -1750 WEAK H G4IGO

Reports of Asia (Middle East)

CYPRUS

08101515-5B4 TO UK/PA/DL #

ISRAEL

08011910 4Z1JA KM72 W SM7AED
09121854 4X TEP 7Q7

TURKEY

07040506 YM7PA 59/59 KN91QC S SP5XMU

Reports of Asia (Far East)

ASIA, GENERAL

09110800 ASIAN TV VID > QF12 49.750 V VK3SIX
09140730 ASIAN TV VID -0830 49.750 V V73AT
09140800 ASIAN TV VID -0814 48.260 V V73AT

CHINA

07270414 BOOM > PM94 50.115 S JH2COZ
07270530 BOOM > PM63 50.115 H JA5CMO
07300311 BOOM > PM86 50.116 C JA9BHZ
07300350 BO1/JA1JKG> PM86 50.116 S JA9BHZ
08160140 BG7IB/7 > PM95 50.110 S JH1WHS
08160150 BG7IB/7 > PM95 50.110 C JE1TGN
08160648 BD7JA/7 > QM05 50.110 H JA1VOK
08160650 BD7JA/7 > PM53 50.110 S JH6VXP

HONG KONG

08020109 VR97LC > PM86 50.130 S JA9BHZ
08020114 VR2IL > PM86 50.120 S JA9BHZ
08020120 VR2SIX/b > QM05 50.075 B JA1VOK
08020124 VR2IL > QM05 50.120 H JA1VOK
08020124 VR97LC > QM05 50.130 H JA1VOK

08050900 VR2SIX/b > PL36 50.075 B JR6VSP
08160229 VR2SIX/b > QM05 50.075 B JA1VOK
08180321 VR97BG > PM96 50.105 S JN1BPM
09131110 VR2SIX/b > PL36 50.075 B JR6VSP
09140850 VR2SIX/b > PL36 50.075 B JR6VSP
09140928 VR2IL > PL36 50.110 S JR6VSP
09140929 VR2XMT > PL36 50.110 S JR6VSP
09140930 VR2XMQ > PL36 50.110 S JR6VSP

JAPAN

08160835 JA0SUQ/JD1> QM05 50.130 H JA1VOK
09141045 JR6YAG/b > QM05 50.037 B JA1VOK
09150017 JR6YAG/b > QM05 50.037 B JA1VOK

KOREA,S.

07140456 HL3ENE,HL3QAU,HL2XCI Es 145 F JG2NIR
07140458 HL1OLA,HL2KEU,HL2JNA Es 145 F JG2NIR
07140502 HL3IB,DS2HUM,DS2SHS Es 145 F JG2NIR
07140506 DS2ARN,DS2CBW,DS2HKS Es 145 F JG2NIR
07140512 HL2MFF,HL2SYU,DS2GTY Es 145 F JG2NIR
07140518 HL2SGA,DS1QGS,HL2XGP Es 145 F JG2NIR
07140522 DS1HZL,DS2EDY,DS2GVB Es 145 F JG2NIR
07140526 DS1ITS,HL3QVP,DS1CAS Es 145 F JG2NIR
07140530 DS2JRP,HL1INJ,HL2SBT Es 145 F JG2NIR
07140533 HL2OAO,HL1WOU,DS1CCU Es 145 F JG2NIR
07140537 HL2MDU,HL2LIL,HL2KDO Es 145 F JG2NIR
07140619 HL2XGP Es 145 F JG2NIR
08120451 HL1LTC > PM63 50.110 H JA5CMO
08120455 HL2DJW > PM63 50.099 H JA5CMO
08160024 DS1BJU > QM05 50.150 H JA1VOK
08160813 HL1LTC > QM05 50.120 S JA1VOK
08310931 HL1LTC > PL36 50.110 S JR6VSP
09141015 HL1LTC > QM05 50.110 S JA1VOK

RUSSIAN FEDERATION

07170730 RW0CD > PM86 50.115 C JA9BHZ
07180303 UA0COO > PM86 50.155 S JA9BHZ
08020843 RW0CD > QM05 50.110 H JA1VOK
08022327 RW0CD > QM05 50.110 H JA1VOK
08090118 RW0CD > QM05 50.110 H JA1VOK
09260830 UA0-TV 350° TEP 49.750 V VK3OT

TAIWAN

08020010 BV2SR > QM05 50.110 H JA1VOK
08020224 BV4PH > PM63 50.125 H JA5CMO
08020225 BV2FG/b > PM63 50.001 B JA5CMO
08020258 BV2SR > PM63 50.110 H JA5CMO
08160900 BV4PK > QM05 50.120 H JA1VOK

Reports of Europe

EUROPE, GENERAL

08121200 EUR Video 48 & 49 V VE1PZ#

ALAND IS.

08031705 OH0KCE JP90 AU W SM7AED

ALBANIA: Mike, K5KWG, is QRV as ZA1MH this autumn and winter on 160-10, 6, and 2m, CW/SSB from a remote village where he is working as a missionary setting up radio communications. QSL via Z32KV. Tnx SM7AED.

08101515-ZA TO UK/PA/DL #

AUSTRIA

07100819 OE8HIK 59/59 JN76KS HEINZ S SP5XMU
07230929 OE6JUD 59/59 JN76RQ JOHN S SP5XMU
07230937 OE6BMG 59/59 JN77JE S SP5XMU
07230941 OE/PE1RCU 59/59 KLARENFURT S SP5XMU
08111047 OE9MON JN47 W SM7AED
08120854 OE6MHG JN77 W SM7AED

AZORES

08032204 CU7BC 55/51 HM58 50.200 S EH8BPX
0810XXXX CU3URA TO UK/PA/DL B #

BALEARIC IS.

08121215 EH6ADW JM19 W SM7AED

BELGIUM

07100823	ON1DEY	59/59 JO21BA	S	SP5XMU
07111911	ON1DHT	55/52 JO20ON GUY	R	SP5XMU
07140922	ON1DDG	59/59 JO11 GERDI	S	SP5XMU
07171034	ON1MAS	59/59 JO20	S	SP5XMU
08090904	ON4KST	JO22 TROPO	W	SM7AED
08121200+ON			W	VE1PZ#
08141528	ON4CBA	59/58 JO21AA 50.200	S	EH8BPX
08141529	ON4FU	51/55 JO21 50.200	S	EH8BPX
08251227-ON4PS	JO20		W	SM7AED
0831XXXX	ON4GG ,	ON4ANT, ON5FU	W	5A28
0831XXXX	ON4KST		W	5A28
0907XXXX	ON1LGS		W	5A28

BOSNIA-HERZEGOVINA

06040630	T97M	59/59 JN93	K2PF	S	SP5XMU
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BULGARIA

06100907	LZ3BS	57/59 KN22	S	SP5XMU
07141545	LZ2FO	57/59 KN13	S	SP5XMU
07141547	LZ2TU	59/59 KN13SF	S	SP5XMU
08100912+LZ2VR			HB9AMZ	
08111227	LZ1AG	KN12	W	SM7AED
08120737	LZ3BS	KN22	W	SM7AED
08141600	LZ	Es 144	H	GJ4ICD#

CAPRI

08271009	IC8/N5KME	59/57 JN60WR	S	G4UPS
08281433	IC8/IK0FTA	59/59 JN60WR	S	G4UPS

CRETE

06091728	SV9/DL8SET	57/57 KM15WS	S	SP5XMU
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CROATIA

08011123	9A3FT	59/59 JN83FM RENNY	S	G4UPS
08101636	9A2YD/P	599/599 JN74 > IO92	C	G4UPS/
08121200+9A			W	VE1PZ#
08141610+9A1CAL,	9A2DI	<1750	HB9AMZ	
08141729+9A1CAL	59	> IO92	G4UPS/	
08141729+9A2UJ	579	> IO92	G4UPS/	

CZECH REPUBLIC

07100949	OK1FFD	59/59 JO60CF	S	SP5XMU
07100954	OK1ILB	59/59 JO60CB	S	SP5XMU

DENMARK

06031410	OZ1BUR	59/59 JO46	S	SP5XMU
06031704	OZ3ZW	59/59 JO53RS TOR	S	SP5XMU
06031729	5P1ER	59/59 JO65HQ	S	SP5XMU
06181638	OZ6AQ	55/55 JO44UX	S	SP5XMU
06230853	OZ5ABE	59/59 JO55 BO	S	SP5XMU
08031442	OZ1RSN/MM	IO90	W	SM7AED
08121200+OZ			W	VE1PZ#

ENGLAND

06031359	G3MCS	59/59 IO93	S	SP5XMU
06031615	G7VTD	57/59 IO83 IAN	S	SP5XMU
06031616	G8ZRE	55/53 IO83NE DAVE	S	SP5XMU
06031617	G7RXY	59/59 IO83LL PAUL	S	SP5XMU
06031618	G7BRJ	57/57 IO83VO	S	SP5XMU
06031619	ZE1FIP	57/59 IO93MO ADRIAN	S	SP5XMU
06041108	G6PRL	59/59 IO92	S	SP5XMU
06041109	G4FUF	57/59 JO01	S	SP5XMU
06041113	GOWIA	59/59 IO83SM CHRIS	S	SP5XMU
06041116	G3KJY	57/57 IO83VW	S	SP5XMU
06041116	G3TJW	59/59 IO80	S	SP5XMU
06041118	M1AQJ	59/59 IO83	S	SP5XMU
06041126	G3ZOC	59/59 IO91CM	S	SP5XMU
06041643	G10KOW	59/59 IO64PG ROBERT	S	SP5XMU
06071705	G4PCI	59/59 IO94AL	S	SP5XMU
06071713	G3KZR	59/59 IO81	S	SP5XMU
06071726	G4SIV/P	59/59 JO03AD	S	SP5XMU
06071728	M1BCG/P	59/59 IO81	S	SP5XMU
06071802	G6ZME/P	59/59 IO82	S	SP5XMU
06081057	G4AEQ	59/59 IO93	S	SP5XMU
06081117	GOWMR	59/59 IO83OP	S	SP5XMU
06081157	G8BRA/P	59/59 IO91PK	S	SP5XMU
06081207	G0AEV	59/59 IO81	S	SP5XMU
06081207	G1IIX	59/59 IO93	S	SP5XMU
06081212	M0BAA/P	59/59 IO92NP	S	SP5XMU
06081215	G6RS/P	59/59 IO91TF	S	SP5XMU

06081229	G7RIH	59/59 IO91	S	SP5XMU
06181602	G4KCT	59/59 IO93 BARRY	S	SP5XMU
06181604	G8BRJ	59/59 IO83	S	SP5XMU
06181621	G0VJI	59/59 IO91RP	S	SP5XMU
06241238	G1VHX	55/59 IO93	S	SP5XMU
06241322	G3FDW	59/59 IO84	S	SP5XMU
07100827	GB0GP	59/59 IO92	S	SP5XMU
07100837	G8ABB	59/59 IO91 GEOFF	S	SP5XMU
07100839	2E1ENL	59/59 IO91	R	SP5XMU
07100846	M1BLX	59/59 JO02LE PAUL	S	SP5XMU
07100847	G1SDO	59/57 JO01OT ERIC	S	SP5XMU
07100908	G4BGW	57/59 IO81VK IVAN	S	SP5XMU
07100909	M1BER	59/59 IO91VI ALAN	S	SP5XMU
07100913	G3NNK	59/59 JO01NI AL	S	SP5XMU
07100913	G7PUJ	55/57	S	SP5XMU
07100918	G8GJO	59/59 JO01AL TONY	S	SP5XMU
07100919	G4EFE/QRP	55/57 IO91LL	S	SP5XMU
07100921	G6CYA	59/59 JO01OT ROGER	S	SP5XMU
07100928	GB2BLE	57/57 IO71 PETER	S	SP5XMU
07111904	G4LDR	59/59 IO91 NEIL	S	SP5XMU
07111905	G1RMN	59/59	S	SP5XMU
07111907	G3TCI	59/59 JO01 ALAN	S	SP5XMU
07111914	M0BCG	57/59 IO91 IAN	S	SP5XMU
07111920	2E1FNV	59/59 IO70JF	S	SP5XMU
07120952	G1SWH	59/59 IO83	S	SP5XMU
07120953	M0AXK	59/59 IO83MG MIKE	S	SP5XMU
07120956	G1JDT	59/59 IO83VD GRAHAM	S	SP5XMU
07120959	G6GDI	55/55 IO83TF	S	SP5XMU
07121003	G4BVE	59/56 IO83TF	S	SP5XMU
07121004	G7PJJ	57/55 IO92GV BILL	S	SP5XMU
07121006	2E1FMM	57/57 IO94	S	SP5XMU
07121008	M1AFB	59/52 IO92	S	SP5XMU
07121009	G0OIL	59/59 IO93 DAVE	S	SP5XMU
07121013	G4IOQ	59/59 IO82 TONY	S	SP5XMU
07121017	G1GAV	59/59 IO93FK ANDY	S	SP5XMU
07121036	G8BFL	59/59 IO92BQ	S	SP5XMU
07121037	G1UTS	59/59 IO83	S	SP5XMU
07121038	G7BTA	59/59 IO82PB DAVE	S	SP5XMU
07121042	M1BQX	59/59 IO93XD	S	SP5XMU
07121200	M/PE1PZS/P	59/59 IN69UW	S	SP5XMU
07130942	G8NOF	57/59 IO92	S	SP5XMU
07130948	G8EHS	59/59 IO92	S	SP5XMU
07130951	G0EYC	59/59 IO93	S	SP5XMU
07130958	M1AZZ/P	59/59 IO93IQ TOM	S	SP5XMU
07141020	G7TPL	59/59 IO83QL SIMON	S	SP5XMU
07171036	G3EDD	59/59 JO02DE	S	SP5XMU
07171037	G8ELV	59/59 IO92WS	S	SP5XMU
07171038	M1AZZ	59/59 IO92 TOM	S	SP5XMU
07171215	M1OAPE	59/59 IO75TA PETER	S	SP5XMU
07171220	G0ORG	59/59 JO02PB NEIL	S	SP5XMU
07171222	M1ABK	59/59 IO92	S	SP5XMU
08020755	G3CCH	IO93 MS	W	SM7AED
08021125	G7JCI	IO80	W	SM7AED
08021128	G4IOQ	IO82	W	SM7AED
08021128	G8HUH	IO81	W	SM7AED
08031717	G3SKR	IO91 AU	W	SM7AED
08031723	G4IFX	IO94 AU	W	SM7AED
08090754	G3CCH	MS/Es	W	SM7AED
08101605+G4DEZ,	G8VG,MM0ALM	-1625	HB9AMZ	
08110755	G3CCH	IO93 M/S	W	SM7AED
08120749	G4IGO	M/S	W	SM7AED
08131040	G0TCF	IO94	W	SM7AED
08141610+G4PZQ,	G4UPS/		HB9AMZ	
08240725	G3CCH	IO93	W	SM7AED
08251202	G3VXM	IO90	W	SM7AED
08251205-G3CEG		IO81	W	SM7AED
08251208-G4XOP/P		IO70	W	SM7AED
08251211-G3YUM		IO91	W	SM7AED
08251214-G4RGK		IO91	W	SM7AED
08251217-G7SNC		JO02	W	SM7AED
0907XXXX	G0OFZ,	G3HBR, G4IGO, G1KTZ	W	5A28
0907XXXX	G3IBI,	G3SVD, G3ZYY, G3K0X	W	5A28
0907XXXX	G3WOS,	G6HKM, G3SKR, G3NVO	W	5A28
0907XXXX	G7DWI,	G7UYM, G6ION	W	5A28
0907XXXX	G7UFO,	G7JCI, M0NDN, M0BDB	W	5A28

ESTONIA

06241137	ES1RF	59/59 KO29IJ	S	SP5XMU
06241141	ES1CW	59/59 KO29HK ARWO	S	SP5XMU
06241145	ES8JX	59/59 KO28LM ERIC	S	SP5XMU
06241150	ES6RHB	59/59 KO38NE	S	SP5XMU
08031652	ES2RJ/8	KO28 AU	W	SM7AED

08031714	ES1CW	KO29	AU	W	SM7AED
08120744	ES1CW	KO29	M/S	W	SM7AED
08120924	ES6QB		M/S	W	SM7AED
08120928	ES2RJ/8	KO28		W	SM7AED

FAROE ISLANDS

08031747	OY9JD	IP62	AU	W	SM7AED
08262117	OY9JD	59/59	IP62OA JON	S	G4UPS

FINLAND

06031824	OH9NDD	59/59	KP26MU	S	SP5XMU
06032041	OH7KJL	59/59	KP42WO	S	SP5XMU
06081056	OH5NHI	59/59	KP41CT	S	SP5XMU
06081113	OH5EK	59/59	KP40AW	S	SP5XMU
08031638	OH6KLT	KP02	AU	W	SM7AED
08031716	OH2BC	KP20	AU	W	SM7AED
08090700	OH9SIX		< 0830	B	SM7AED
08261823	OH6QR	599/599	KP22BN VILLE	C	G4UPS
08261845	OH1AF	59/55	KP01TK > IO80	S	G4UPS
08261848	OH1MM	59/59	KP11BG > IO80	S	G4UPS
08261851	OH3KKW	57/57	KP11WU > IO80	S	G4UPS
08261855	OH1AYQ	59/59	KP12JB TIMO	S	G4UPS
08261857	OH3NLP	599/599	KP11RK JUKKA	C	G4UPS
08261903	OH1SIX	569	> IO80	B	G4UPS
08261907	OH3TR	59/59	KP11WK > IO80	S	G4UPS
08261914	OH3BNP	57/57	KP20KR > IO80	S	G4UPS
08261916	OH3XA	59/59	KP20DT > IO80	S	G4UPS
08261924	OH3MF	59/559	KP20FR RAUNO	W	G4UPS
08262003	OH6QR	57	> IO80	H	G4UPS

FRANCE

06010840	F5SZB	59/55	IN95UQ	S	SP5XMU
06010844	F5HA	59/59	IN95UQ	S	SP5XMU
06010900	F1GTU	59/59	JN05IE	S	SP5XMU
06141154	F1NNE	59/59	JN16	S	SP5XMU
07100824	F1HUB	59/59	JN09XF	S	SP5XMU
07100825	F6EAS	59/59	IN98	S	SP5XMU
07100916	F5MOO	59/59	JN07 TERRY	S	SP5XMU
07100917	F1JLD	59/59	JN26 ROMAN	S	SP5XMU
07100926	F6BQX	57/59	JN06GT	S	SP5XMU
07131526	F1CBL	59/59	IN94	S	SP5XMU
07131528	F1DUZ	59/59	IN97OI PHILIPPE	S	SP5XMU
07131529	F1BOC	59/59	IN97DG PAUL	S	SP5XMU
07131531	F5FNH	57/57	IN96LD	S	SP5XMU
07140925	F5JLQ	59/59	JO00WW GEORGE	S	SP5XMU
07140945	F1JKY	55/57	JN25	S	SP5XMU
07141805	F5HRY/P	59/59	IN78VI	S	SP5XMU
07141821	F6HVK	59/59	JN27	S	SP5XMU
07141908	F1MOZ	59/59	JN12GM	S	SP5XMU
07151128	F5BUU	59/59	JN03 JOHN	S	SP5XMU
07161931	F5JDG	55/53	JN23ND	S	SP5XMU
08030908	F5BYM	59/59	IN94KO 50.200	S	EH8BPX
08031458	F6BWO	579-->0	> IO92	C	G4UPS/
08051145	F1PUX	JN16		W	SM7AED
08101549+F1CBL	59		> IO92	G4UPS/	
08101551	F1CBL	IN94		W	SM7AED
08101633	F1AHO	59/59	JN37QR JEAN	S	G4UPS/
08120816	F1DVO		M/S	W	SM7AED
08121425	F5BYM	59/59	IN94 50.200	S	EH8BPX
08141727	F1MXE	59	> IO92	G4UPS/	
08160920	F1CBL	55/55	IN94SU 50.200	S	EH8BPX
08160944	F1OOG	51/55	JN08 50.200	S	EH8BPX
08160949	F6BSJ	51/51	JN26MP 50.200	S	EH8BPX
08251222-F1DVO	JN09			W	SM7AED
0831XXXX	F1YJ			W	5A28
0901XXXX	F8OP, F6BSJ, F8CS, F8DO			W	5A28
0907XXXX	F1BBK, F6HRP, F1AKE			W	5A28
0907XXXX	F1BOC, F1FRS			W	5A28

GERMANY

07100925	DL5GAC	59/59	JN47SS	S	SP5XMU
08031830	DF1AN	JO63	AU	W	SM7AED
08031832	DL1SUZ	JO53	AU	W	SM7AED
08050747	DL1SEW	JN49		W	SM7AED
08110718	DL4MDQ	JN58	M/S	W	SM7AED
08121200+DL				W	VE1PZ#
08121434	DL9YFY	59/57	JO41 50.200	S	EH8BPX
08281612	DL8SET	59/59	JN48OV HANS	S	G4UPS
08281638	DK4CD	599/519	JO52TC > IO80	C	G4UPS
0831XXXX	DL8PM			W	5A28
0901XXXX	DK2EA, DL0HEL			W	5A28

GREECE

06171726	SV8DTD	57/59	KM39GB PERCLIF	S	SP5XMU
08090900	SV1OH	KM17		H	SM7AED
08100902	SV8DTD	KM39		W	SM7AED
08101652+SV1OE		KM17		H	SM7AED
08111308	SV1DH	KM27		W	SM7AED
08121912	SV1DH	KM27		W	SM7AED

IRELAND

06081206	EI7GL	59/59	IO51TU	S	SP5XMU
08021130	EI6DFB	IO52		W	SM7AED
08111240	EI8HZ	IO64		W	SM7AED
08121826	EI3EBB	IO51		W	SM7AED

ISLE OF MANN

06071814	GD4IOM	59/59	IO74QD	S	SP5XMU
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ITALY

06030920	I1AXE	59/59	JN34 AXEL	S	SP5XMU
06031513	IW5JWQ	59/59	JN52NS	S	SP5XMU
06171122	IW9DSW	59/59	JM76MW MORIS	S	SP5XMU
06171150	IK8MRA	59/59	JN70ES	S	SP5XMU
06171151	IK2XRL	59/59	JN45NR MARCO	S	SP5XMU
06171153	IK2GSO	59/59	JN45NP ENRICO	S	SP5XMU
06171758	IWORMO/ISO	59/59	JN40TG	S	SP5XMU
06172022	IW0UP	59/55	JM49	S	SP5XMU
06172117	IW0KNX	59/59	JN62IQ	S	SP5XMU
06220838	IW5AFB	59/56	JN62NS JO	S	SP5XMU
07090745	IK8MRA/8	59/59	JO70LL	S	SP5XMU
07100911	IW3BAS	59/59	JN55	S	SP5XMU
07100929	IK2ZVU	59/59	JN4500	S	SP5XMU
07141535	IWORMO	59/55	JN63JN	S	SP5XMU
07141607	IK8YOQ	59/59	JN70GR	S	SP5XMU
07141608	IW8BOW	59/59	JN70GR	S	SP5XMU
07150759	IR0MFP	59/59	JN63 IK0AZG	S	SP5XMU
07161857	IW3EA	59/59	JN65CQ BOB	S	SP5XMU
07161859	IK2IQD	59/59	JN45OT	S	SP5XMU
07170942	I20ANH	55/59	JN61FH	S	SP5XMU
07170950	IK4FMT/4	59/59	JN44	S	SP5XMU
07170952	IK0HY	59/59	JN61IU	S	SP5XMU
07170954	IW1QNK	59/59	JN33XU	S	SP5XMU
07171035	IW5BHU	59/59	JN54	S	SP5XMU
07171036	IK5CYN	59/59	JN53	S	SP5XMU
07171040	IN3KCV	59/59	JN56NB	S	SP5XMU
07171042	IN3JJI	59/59	JN56NB	S	SP5XMU
07171211	IK2RHH	59/59	JN45	S	SP5XMU
07171211	IW5EA	59/59	JN54AG PIERRO	S	SP5XMU
07171212	IW5DRA	59/59	JN53AV MIKE	S	SP5XMU
07171213	I1ZL	59/59	JN44CV LIVIO	S	SP5XMU
07171216	IK5WWF	59/59	JN53DV ALBERTO	S	SP5XMU
07171217	IW2BNA	59/59	JN45OM	S	SP5XMU
07171334	I2PY	59/59	JN55NP	S	SP5XMU
07212138	I2IPE	59/59	JN55 PETER	S	SP5XMU
07230823	IW8DRG/8	59/59	JM79	S	SP5XMU
07230919	IW3RDM	59/59	JN65TS LOUIS	S	SP5XMU
08011123+IZ4BEG	55	-1245	> IO80	G4UPS	
08012030	IK7XGF	JN71		W	SM7AED
08031042	IK0FTA	JN61		W	SM7AED
08031443	IK5JWQ	57/55	JN52NS BEPPO	S	G4UPS/
08031446	IW3HRV	579/579	JN65EU SANTE	C	G4UPS/
08050747	IK6HCX	JN63		W	SM7AED
08101513	IW3RVM	59/59	JN65QQ EU-130	S	G4UPS/
08101513+I0VHL	57		> IO92	G4UPS/	
08101513+I3ZJQ	59+		> IO92	G4UPS/	
08101549+IV3LNQ	59		> IO92	G4UPS/	
08101625	I4LCK/4	579/559	JN54PD	C	G4UPS/
08101645	IK2GWH	59/57	JN45PQ PAUL	S	G4UPS/
08101652	IK0FTA	JN61		W	SM7AED
08111059	IN3JJI	JN56		W	SM7AED
08120652	IK5RLP	JN52	M/S	W	SM7AED
08120847	IW9DSW	JM76		W	SM7AED
08121240	I3LLH			W	VE1PZ
08140842	IW0GIV	JN61FV		W	SM7AED
08140843	IK6PBW	JN62		W	SM7AED
08140845	IW0RFK/6	JN63		W	SM7AED
08141100	IW0URM	JN40		W	SM7AED
08141710+IK3EIW	59		> IO92	G4UPS/	
08141729	IK3OCD	589/589	JN65BL>	> IO92	C G4UPS/
08141729+IV3LNQ	59		> IO92	G4UPS/	
08170940	IW4CJN	55		> IO92	G4UPS/
08250717	IK0FTA	JN61		W	SM7AED
08250725	I2WSG			W	SM7AED

08270957 IW0BCE 59/59 JN61JW ANTHONY S G4UPS
 08270959 IK0FTA 59/59 JN61GV SERGIO S G4UPS
 08271000 I2ADN 59/59 JN45 ANGELO S G4UPS
 08271013 IW5AFB 55/56 JN52NS JO S G4UPS
 08281438 IW0GIV 59/57 JN61FW RAY S G4UPS
 08281438+IK5JWQ 59++ > IO80 H G4UPS
 08281445 IOAMU 59/59 JN61FV AL> IO80 S G4UPS
 08281522 IK2DUV 59/59 JN45KO GEORGE S G4UPS
 08281526 I4YMB 59/59 JN54ES NICK S G4UPS
 0907XXXX IW1CGB W 5A28

JERSEY IS.

0907XXXX GJ4ICD, GJ8ORH W 5A28

LATVIA

08101107 YL/DJ10J KO36 M/S W SM7AED
 08111427 YL/DJ10J HB9AMZ
 08121109 YL/DJ10J KO36 W SM7AED

LIECHTENSTEIN

08101549 HB0/HB9QQ 59/59 JN47SC>IO92 S G4UPS/
 08111048 HB0/HB9QQ JN47 W SM7AED

MACEDONIA

08111300 Z32BU KN01 W SM7AED

MALTA

06171104 9H5PG 57/58 JM75FV TANO S SP5XMU
 06171107 9H1XX 59/59 JM75FV DL2GBT S SP5XMU
 08030730 9H5PG JM75 H SM7AED
 08101636 9H1JL JM75 W SM7AED
 08120905 9H5IP JM75 W SM7AED
 08121014 9H3XV JM76 W SM7AED
 0830XXXX 9H5EE W 5A28
 0902XXXX 9H1BT, 9H1PA W 5A28

MARKET REEF

06041542 OJ0/DL5IO 59/59 JP90NH S SP5XMU

NETHERLANDS

06031358 PE1KLQ 59/59 JN33JF S SP5XMU
 06041120 PA3ADA 53/51 JO22LJ S SP5XMU
 06181605 PE1RCU 59/59 JO21UU S SP5XMU
 07100814 PE1PAZ 59/57 JO22VJ S SP5XMU
 07100815 PE1AMN 59/59 JO21MQ PETER S SP5XMU
 07100818 PA3DYY 59/59 JO21 S SP5XMU
 07100821 PE1RER 59/59 JO22SA HENK S SP5XMU
 07100826 PE1RPZ 59/59 JO21 S SP5XMU
 07100845 PE1RNT 59/59 JO11SL S SP5XMU
 07100923 PE1RPY 57/57 JO21DV S SP5XMU
 07100934 PE1NKT 59/59 JN33 KEES S SP5XMU
 07171210 PE3BOE/QRP 58/59 JO22OC RONIS SP5XMU
 08031735 PA2VST JO22 AU W SM7AED
 08031834 PA3FBM JO22 AU W SM7AED
 08031837 PA3GML JO22 AU W SM7AED
 08110706 PA0RDY JO22 M/S W SM7AED
 08121200+PA W VE1PZ
 08141523 PA3EKK 51/51 JO32HB 50.200 S EH8BPX
 08141526 PA3AXU 57/57 JO21TV 50.200 S EH8BPX
 08141527 PA3GML 59/59 JO22 50.200 S EH8BPX
 08141528 PE1PTQ 52/55 JO22 50.200 S EH8BPX
 08141534 PI9RNW 55/51 50.200 S EH8BPX
 0831XXXX PE1PZS W 5A28
 0901XXXX PA0HIP W 5A28
 0907XXXX PA0JMH, PE1OUC W 5A28

NORTHERN IRELAND

06081236 GI4SNA 59/59 IO64XM S SP5XMU
 08111246 GI0KOW IO64 W SM7AED
 08121828 GI6ATZ IO74 W SM7AED

NORWAY

06040606 LA7QHL 59/59 JO59KW S SP5XMU
 06181722 LA0BY 59/59 JO59FW S SP5XMU
 08020903 LA/SM6CMU JP79 W SM7AED
 08090700 LA7SIX TROPO? < 0830 B SM7AED
 08100741 LA5KO/P JP41 TROPO W SM7AED
 08110604 LA5KO/P JP41 TROPO W SM7AED
 08141531 LA0HB 55/55 JO28UX 50.200 S EH8BPX
 08261943 LA8OW 559/559 JP51 > IO80 C G4UPS

POLAND

06021945 SP5ELA 59/59 KO02LG S SP5XMU
 06041638 SQ5EBJ 59/59 KO02ME JACEK S SP5XMU
 06220657 SP6GZZ/8 51/51 KN19MM S SP5XMU
 07141905 SP7BCA 58/56 KO01BW TOMEK S SP5XMU
 08011123+SR5SIX 579 > IO80 B G4UPS
 08031739 SP2NJE JO92 AU W SM7AED
 08090758 SP2IQW JO84 TROPO W SM7AED
 08090932 SP2DDV JO93 TROPO W SM7AED
 08111350 SP5LCC/9 KN01 W SM7AED
 08120554 SP2JXN JO94 TROPO W SM7AED
 08120604 SP6GZZ M/S W SM7AED
 08120746 SP6ASD JO61 TROPO W SM7AED
 08121208 SP5LCC/9 KN09 M/S W SM7AED
 0901XXXX SP2GLS W 5A28

PORTUGAL

08030904 CT1HB 55/55 IN50XS 50.200 S EH8BPX
 08031455 CT1ETT 579/569 IN51RE> IO92 C G4UPS/
 08031510 CT0WW 599 < 1525 > IO92 B G4UPS/
 08090750 CS1ACP 449 > IO92 B G4UPS/
 08090750 CT0WW 599 > IO92 B G4UPS/
 08101502 CT0WW 599, CS1ACP 559 B G4UPS/
 08101502 CT1AL 59/59 IN60AQ ADE S G4UPS/
 08141230 CS1ACP B VE1PZ#
 08271013+CS1ACP 579 BUT NOT CT0WW B G4UPS
 08271013+CT1HB 59 > IO80 H G4UPS
 08271100 CT1BES 57 -1430 > IO80 H G4UPS

ROMANIA

06040557 YO7VS 59/59 KN14VH DICK S SP5XMU
 07230814 YO4BZC 59/59 KN45AK S SP5XMU
 08100942-YO7BSW HB9AMZ
 08110823 YO7BSN KN15 W SM7AED

RUSSIAN FEDERATION

06041319 RA3YO 59/59 KO73DG S SP5XMU
 06101718 R1MVI/4J 59/59 KP40HP OH5NE S SP5XMU
 08101032 UA1WJ KO47 W SM7AED

SARDINIA

07090742 IS0/IW1CGB 59/59 JM49 S SP5XMU
 07131156 IS0AGY/P 59/59 JM48LW S SP5XMU
 07151133 IS0BKD 59/59 JN40GS PAOLO S SP5XMU
 07161436 IM0/I2ADN 59/59 JN41RG S SP5XMU
 08050930 IM0JZJ JM49 W SM7AED
 08140840 IS0SIX -1130 B SM7AED

SCOTLAND

06031712 GM3JIJ 59/59 IO68 S SP5XMU
 06031828 GM0HBF 59/59 IO67 CHARLIE S SP5XMU
 06071838 GM0ICF/P 59/59 IO85 S SP5XMU
 06071851 GM4ISM 59/59 IO85 S SP5XMU
 06081023 GM2HIY 57/59 IO86 S SP5XMU
 06230949 GM1EHK 57/57 IO86IE DAVID S SP5XMU
 07161608 GM4ENK 59/59 IO99IW PAUL S SP5XMU
 08031732 GM4SFU IO77 AU W SM7AED
 08120757 GM1ZJP/P IO89 W SM7AED
 08121200+GM W VE1PZ
 08131040 GM3JIJ W SM7AED

SERBIA

06040651 YT1BT 59/59 KN02 S SP5XMU
 08011925 YU1OO KN02 W SM7AED
 08012044 YU1QC 599 -2045 > IO80 G4UPS
 08111025 YU1AT KN04 W SM7AED
 08141600 YU Es 144 H GJ4ICD#
 08141610+YT1AU <1750 HB9AMZ
 08141610+YU1AA, YU1AU <1750 HB9AMZ
 08141729+YU1ABA 579 > IO92 G4UPS/
 08141729+YU6SIX JN92JJ > IO92 G4UPS/

SICILY

06171235 IT9PMZ 59/59 JM68PE S SP5XMU

SLOVAKIA

08120855 OM1TF JN88 W SM7AED
 08141610+OM2DX <1750 HB9AMZ

SLOVENIA

07100820 S57EA 59/59 JN76HE S SP5XMU

07230921 S51AG 59/59 JN65TM MILOSZ S SP5XMU
 07230928 S51UF 59/59 JN76UP S SP5XMU
 08101607 S52AU 599/599 JN76LB BORUT C G4UPS/
 08120653 S51UF M/S W SM7AED
 08121200+S5 W VE1PZ

SPAIN

06010800 EH5YB/P 59/59 JN01XG S SP5XMU
 06181112 EH5CN 59/59 JN11BI S SP5XMU
 07131421 EH/SP1MVA 55/56 JN12 MM S SP5XMU
 07141653 EH5DIT 59/59 IM99CD S SP5XMU
 08011123+EH3CUU 599 > IO80 B G4UPS
 08031152 EH5DIT IM99 W SM7AED
 08031212 EH7AH IM67 H SM7AED
 08031345 EH1EH IN82 W SM7AED
 08031352 EH2AWD/MM IN75 W SM7AED
 08090718 EH1EH 599/599 IN82 > IO92 C G4UPS/
 08090809 EH1TA 59/55 IN52SI JOE S G4UPS/
 08090811 EH1KV 559/559 IN52 > IO92 C G4UPS/
 08101513+EH7AH 59 > IO92 G4UPS/
 08101648 EH1EH 599/599 < 1715 C G4UPS/
 08121200+EH W VE1PZ#
 08121635 EH7AH 59 -1700 H G4UPS/
 08141610+EH3CUU HB9AMZ
 08141710 EH3CUU 579 > IO92 B G4UPS/
 08141729+EH3CUU 599 > IO92 B G4UPS/
 08160956 EH3LL 59/59 JN01NE 50.200 S EH8BPX
 08240715 EA STRONG INBAND TV I SM7AED
 08240726 EH1EH IN82 W SM7AED
 08251145 EH1EH CLG CQ USA H SM7AED
 08271013+EH3CUU 599 -1430 > IO80 B G4UPS
 08271013+EH7AH 59, EH1EH 57 > IO80 H G4UPS
 08271205 EH4EH 59 -1430 > IO80 H G4UPS
 08281759 EH5DIT 57 -1830 > IO80 H G4UPS
 08281759+EH3CUU 599 -1830 > IO80 B G4UPS
 08281830 EH5YB/3 59/59 JN01XG VINCENTS G4UPS

SVALBARD

08221830 JW7SIX -1940 INTO G AND DL B #
 0825XXXX JW8GV W G4IFX #
 08262025 JW7SIX 339-449 QSB > IO80 B G4UPS
 08262025 JW7SIX VY STRONG > IO91 B G3HBR

SWEDEN

06040610 SM7URQ 59/59 JO77MJ CHRIS S SP5XMU
 06041527 SM7WZC 55/55 JO66KF S SP5XMU
 06041802 SM5TSP 57/58 JP90CE LARS S SP5XMU
 07131138 SK6DG 59/59 JO67GW JONAS S SP5XMU
 08031706 SM3BIU JP73 AU W SM7AED
 08031719 SM3EVR JP82 AU W SM7AED
 08031755 SM5UFB JO78 AU W SM7AED
 08090700 SK3SIX < 0830 B SM7AED
 08100700 SK3SIX TROPO B SM7AED
 08101351 SM7FJE 59/57 JO65ML 50.200 S EH8BPX
 08110630 SM2LKW KP05 M/S W SM7AED
 08120802 SM0KAK/0 W SM7AED
 08121526 SK7NM W VE1PZ#
 08130754 SM7AED 559/449 C G4UPS/
 08170723 SM7FJE 579/559 BO > IO92 C G4UPS/
 08261916+SM5GJQ 55 VY QSB > IO80 G4UPS
 08261948 SM2MGQ 449 QSB > IO80 H G4UPS
 08310721 SM7FJE 579 > IO80 H G4UPS
 09262314-SK4MPI LOUD > JP33VC AUR LA7DFA

SWITZERLAND

06141414 HB9HLM 59/59 JN36KX S SP5XMU
 07161901 HB9RNO 58/59 JN56JE S SP5XMU
 08101504 HB9OAB 59/59 JN46ME > IO92 S G4UPS/
 08111041 HB9OAB JN46ME W SM7AED
 08121122 HB9AOF JN36 W SM7AED
 0907XXXX HB9HFK W 5A28

WALES

06041117 GW6JNE 59/59 IO81 S SP5XMU
 06071735 GW4BVY/P 59/59 IO81 S SP5XMU
 07100844 GW3SYL 57/59 IO81 S SP5XMU
 07121032 2W1EEN 59/59 IO83MB S SP5XMU
 07171219 GW8MHG 59/59 IO81IM ROLAND S SP5XMU
 08021131 GW1DJI/P IO83 W SM7AED
 08031727 GW0GEI IO73 AU W SM7AED
 0907XXXX GW3MOY W 5A28

Reports of North America

This month's TV and FM DX reports via Es were submitted by Danny Oglethorpe, Shreveport, LA; William Eckberg, Dixon, IL; and Frank Aden, Jr., N7SOK, Boise, ID.

CANADA, Eastern

08061600 CBLTt 5 ON CBC T OGLETHORPE
 08121319 VE1PZ FN85 IN FOR 2.5 HR W SM7AED
 08121430 VE1PZ 59+ INTO G/GJ/I #
 08121740 CKCO2 2 ON 1103 T OGLETHORPE
 08121750 CBFT5 2 PQ FRENCH 1414 T OGLETHORPE
 09040150 VE3 EN58 > EN34 AU 144 W WO0HU

CANADA, Western

08100130 CKND2 2 MB 1279 T OGLETHORPE
 08140150-VE7 K6QXY
 08211512 VE7SKA CN88 GEORGE 50.125 W W0MTK
 09040140 VE6EMU DO33 > CN88 AU B VE7SKA
 09040140 VE6TA DO31 > CN88 AU 50.125 C VE7SKA
 09141503 VE6EMU 80° AUE DO33 50.041 B VE7SKA
 09141507 VE6NA 85° AUE DO20 50.125 S VE7SKA
 09141510 VE5LY 85° AUE DO70 50.125 S VE7SKA
 09150600 VE6EMU > DO33 AU 50.041 B VE6MK
 09150600 VE8SIX CP38 > DO33 AUE B VE6MK
 09150600 VE8WD DP22 > DO33 AU B VE6MK
 09150600-VE5UF DO61 > DO33 AU 144 W VE6MK
 09180203 VE6EMU 30° DO33>CN88 AU.041 B VE7SKA
 09180215 VE6JMB 30° DO31 AU 50.125 S VE7SKA
 09180253 VE6ARC 30° DO05 AU 50.044 B VE7SKA
 09180257 VE5UF 30° DO61 WKG VE6 AU H VE7SKA
 09180304 VE6NA 30° DO20 50.135 C VE7SKA
 09180346 VE6JW 50.125 H VE7SKA

CUBA

07232030 CUBA 2 CUBA > IL T ECKBERG

GUATEMALA

08300345 TG9AWM THRU LOCAL RPTR 144 H PY2YZQ

HONDURAS

08300345 HR1AAB TEP > GG66 144 W PY2YZQ

MEXICO

07161830 XEFE 2 TA > IL 1149 T ECKBERG
 08070015 XE 2 XEW T OGLETHORPE
 08071659 XHAP 2 GUER 1142 T OGLETHORPE
 08071715 unIDa 2,4 TV7,XEW T OGLETHORPE
 08071915 XHFM 2 VER 995 T OGLETHORPE
 08071930 XHFA 2 SO 1010 T OGLETHORPE
 08072000 XEPM 2 CHIH 746 T OGLETHORPE
 08081805 unIDa 2,4,5 MEXICO T OGLETHORPE
 08081826 XHHNN 2 OAX 1050 T OGLETHORPE
 08081830 XHFM 2 VER 950 T OGLETHORPE
 08201820 unID 2 TV7 IN BAR T OGLETHORPE
 08271935 unIDa 2,4,5 MEXICO T OGLETHORPE
 08300345 XE? MEX.CITY THRU RPTR 144 H PY2YZQ
 09232050 XE BEACON 59+ 50.022 B LW5EJU

United States, W2

08041612 WTVH 5 NY 1212 T OGLETHORPE
 08041615 WGRZ 2 NY 1091 T OGLETHORPE
 08061538 WTVH 5 NY 1212 T OGLETHORPE
 08061608 WGRZ 2 NY 1091 T OGLETHORPE
 08311454 W2/K8ZES FN02 > FN35 TROPO H VE2PIJ

United States, W3

08041610 WTAE 4 PA 945 T OGLETHORPE
 08041616 KDKA 2 PA 945 T OGLETHORPE
 08061540 WTAE 4 PA 945 T OGLETHORPE
 08061603 KDKA 2 PA 945 T OGLETHORPE
 08121725 WMAR 2 MD 1072 T OGLETHORPE

United States, W4

07232100 WFOR 4 FL > IL 1229 T ECKBERG
 07232100 WPBT 2 FL > IL 1229 T ECKBERG
 07232115 WEDU 3 FL > IL 1031 T ECKBERG
 08021630 WCBD 2 SC 805 T OGLETHORPE
 08021640 WCIV 4 SC 805 T OGLETHORPE
 08021640 WCSC 5 SC 805 T OGLETHORPE

08021700 WRAL	5 NC	896 T	OGLETHORPE	08041745 KFVY	5 ND	1063 T	OGLETHORPE
08021705 WUND	2 NC	1031 T	OGLETHORPE	08041800 KSTP	5 MN	869 T	OGLETHORPE
08021710 WUNC	4 NC //WUND	875 T	OGLETHORPE	08041800 KWSE	4 ND	1206 T	OGLETHORPE
08031425 WUND	2 NC	1031 T	OGLETHORPE	08041830 KGFE	2 ND	1086 T	OGLETHORPE
08061545 WESH	2 FL > IL	983 T	ECKBERG	08041833 KXMA	2 ND	1110 T	OGLETHORPE
08061600 WEDU	3 FL > IL	1031 T	ECKBERG	08041928 KIVV	5 SD	987 T	OGLETHORPE
08131407 WESH	2 FL	789 T	OGLETHORPE	08061805 KCNC	4 CO	806 T	OGLETHORPE
08131500-W4	TN		K6QXY	08061805 KOAA	5 CO 5/30	763 T	OGLETHORPE
08201650 WFOR	4 FL	939 T	OGLETHORPE	08100210 KXMA	2 ND	1110 T	OGLETHORPE
08201650 WPBT	2 FL	939 T	OGLETHORPE	08101630 KTCA	2 MN	869 T	OGLETHORPE
09202100-W4	> FI07 GUAYAQUIL	W	HC2FG	08111800 KLNE	3 NE > ID	T	N7SOK

United States, W5

07161630 KPRC	2 TX > IL	893 T	ECKBERG	08260212+N0PVT	< 0436		K6QXY
07161655 KBTX	3 TX > IL	856 T	ECKBERG	08270310 KXMA	2 ND	1110 T	OGLETHORPE
07161700 KRGV	5 TX > IL	1189 T	ECKBERG	08270330-W0	CO,KS,MO		K6QXY
07161800 KMID	2 TX > IL	967 T	ECKBERG	08271433 KWGN	2 CO	806 T	OGLETHORPE
08061915	4,5 NM Albuquerque	764 T	OGLETHORPE	08271500-W0	CO		K6QXY
08061720 KASA	2 NM	753 T	OGLETHORPE	08271500-W0MTK		B	K6QXY
08131500-W5	TX,NM		K6QXY				
08270330-W5	TX,NM		K6QXY				
08271500-W5	NM		K6QXY				
09202100-W5	> FI07 GUAYAQUIL	W	HC2FG				

United States, W6

09090333 K6FV	CM87 > CN88	50.069 B	VE7SKA
09090335 W6/W7LVO	CM87 180°	50.125 S	VE7SKA
09091246 K?	2 ?? -1346 weak	55.26 V	ZK1AA

United States, W7

08041959 KTVQ	2 MT	1215 T	OGLETHORPE
08042000 KTW0	2 WY	996 T	OGLETHORPE
08061635 KSL	5 UT & 2,4	1160 T	OGLETHORPE
08061650 KNAZ	2 AZ	1045 T	OGLETHORPE
08061720 KMOH	6 AZ OV/KTAL	1181 T	OGLETHORPE
08061720 KVVU	5 NV	1238 T	OGLETHORPE
08070232 KVOA	4 AZ	1004 T	OGLETHORPE
08070240 KPHO	5 AZ	1065 T	OGLETHORPE
08140150-W7	WA		K6QXY
08140150-W7WKR		B	K6QXY
08211519 K7TRE	CN87 CLAUDE	W	W0MTK
08211715 N7TGF	CN88 GEO	50.173 W	W0MTK
08211730 NC7LEL	ERIC	50.173 W	W0MTK
08271418 KUTVt	2 UT BRIEF	T	OGLETHORPE
09071445 W7GJ	DN27 -1500 DN27	50.125 H	W0MTK
09141514 W7HAH	90° AUE DN28	50.061 B	VE7SKA

United States, W8

08041430 WJBK	2 MI	904 T	OGLETHORPE
08041455 WNEH	5 MI	943 T	OGLETHORPE
08041520 WTOM	4 MI 7&4	1042 T	OGLETHORPE
08041540 WDIV	4 MI	904 T	OGLETHORPE
08041617 WCMH	4 OH	795 T	OGLETHORPE
08061550 WDIV	4 MI	904 T	OGLETHORPE
08061600 WTOM	4 MI	1042 T	OGLETHORPE
08061610 WJBK	2 MI	904 T	OGLETHORPE
08120135 WJBK	2 MI M/S	904 T	OGLETHORPE
08131607 WJBK	2 MI	904 T	OGLETHORPE
08260212+KC8DMN	< 0436	W	W0MTK
08260212+WA8YXT	< 0436	W	W0MTK
09040150 W8	EN66,EN82 > EN34 AU	144 W	W0OHU
09202100-W8	> FI07 GUAYAQUIL	W	HC2FG

United States, W9

08041555 WBBM	2 IL	737 T	OGLETHORPE
08041700 WBAY	2 WI	892 T	OGLETHORPE
08041716 WFRV	5 WI	892 T	OGLETHORPE
08260212+KB9NJE,	N9PEZ < 0436	W	W0MTK
08260212+KB9RCL,	KB9OVE < 0436	W	W0MTK
08260212+N9TOC	< 0436	W	W0MTK
08260212+W9IK,	KB9PUC < 0436	W	W0MTK
08260212+WA9FVP,	KB9MGV < 0436	W	W0MTK
08270330-W9	IL		K6QXY

United States, W0

07290300 KLNE	3 NE > ID	T	N7SOK
08041701 WCCO	4 MN	870 T	OGLETHORPE
08041715 KXJB	4 ND	1028 T	OGLETHORPE
08041723 KGAN	2 IA	672 T	OGLETHORPE
08041726 KTVI	4 IA	712 T	OGLETHORPE
08041729 KDLT	5 SD	815 T	OGLETHORPE

Reports of Oceania

AUSTRALIA-VK4-Queensland

08160644 VK4TL	> QM05	50.110 H	JA1VOK
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AUSTRALIA-VK8-Northern Territory

09011150 VK8VF	> PM63	50.057 B	JA5CMO
09011150 VK8VF	-1210 > PM63	50.057 B	JA5CMO
09021210 VK8VF	> PM63	50.057 B	JA5CMO
09021210 VK8VF	-1310 > PM63	50.057 B	JA5CMO
09101230 VK8VF	539 180°	50.056 B	JH4JPO
09111232 VK8VF/b	> PM64	50.075 B	JH4JPO
09211150 VK8VF	519 180°	50.056 B	JH6VXP
09211200 VK8VF	> PL36	50.057 B	JR6VSP
09211201 VK8RH	519-529	50.110 H	JH4JPO
09211203 VK8MS	> PL36	50.130 S	JR6VSP
09211208 VK8PN	> PL36	50.120 S	JR6VSP
09211217 VK8MS	53 180°	50.130	JH6VXP
09211217 VK8PN	> PL36	50.120 S	J76CCU
09211221 VK8RH	> PL36	50.120 S	J76CCU
09211225 VK8MS	52-59 180°	50.140	JA6QGG
09211228 VK8RH	> PL36	50.120 S	JR6VSP
09211237 VK8MS	> PL36	50.140 S	J76CCU
09231054 VK8VF	weak 180°	50.057 B	JH6VXP
09231142 VK8VF	519 TEP 180°	50.056 B	JH4JPO
09251248 VK8MS		50.140	VR2XMT
09261140 VK8VF	559 TEP 180°	50.056 B	JH4JPO
09261207 VK8MS	180°	50.110	JH6VXP
09261220 VK8RH	180°	50.110	JH6VXP

HAWAIIAN IS.

08270650 KFVE	5 HI Honolulu	77.25 V	ZK1AA
08270650 KGMV	3 HI Wailuku	61.25 V	ZK1AA
08270650 KH6HME	HI		B ZK1AA
08270650 KHBC	2 HI Hilo	55.25 V	ZK1AA
08270650 KHON	2 HI -1150	55.26 V	ZK1AA
08270650 KITV	4 HI Honolulu	67.24 V	ZK1AA
08280843 KHBC	2 HI Hilo to CH 5		V ZK1AA
08280843 KHON	2 HI -1113	55.26 V	ZK1AA
08290548 KHON	2 HI -1216	55.26 V	ZK1AA
08300530 KH6HME	HI & TV to ch 5		B ZK1AA
08300530 KHON	2 HI -1110	55.26 V	ZK1AA
08310645 KH6HME	HI		B ZK1AA
08310645 KHON	2 HI -1045	55.26 V	ZK1AA
09010630 KH6HME	HI		B ZK1AA
09010630 KHON	2 HI -0910	55.26 V	ZK1AA
09011447 KHON	2 HI -1617 weak	55.26 V	ZK1AA
09020746 KH6HME	HI		B ZK1AA
09020746 KHON	2 HI -0946	55.26 V	ZK1AA
09021448 KHON	2 HI -1548	55.26 V	ZK1AA
09030550 KH6HME	HI & TV to ch 5		B ZK1AA
09030550 KHON	2 HI -1055		V ZK1AA
09050445 KH6JOI		50.110 W	V73AT
09050505 KH6HME	HI & TV to ch 5		B ZK1AA
09050505 KHON	2 HI -1120 CD	55.26 V	ZK1AA
09060800 KH6HME	HI & TV to ch 5		B ZK1AA
09060800 KHON	2 HI -1330		V ZK1AA
09070630 KH6HME	HI & TV weak	ch 5	V ZK1AA
09070630 KHON	2 HI -1200	55.26 V	ZK1AA
09071440 KHON	2 HI -1540	55.26 V	ZK1AA
09080415 KH6YK	60°	50.110	V73AT
09080415-KH6HME, KH6HI			B V73AT

09080826	KH6HME	HI & TV to ch 5	B	ZK1AA
09080826	KHON	2 HI -1410 STRONG	V	ZK1AA
09090700	KHON	2 HI -1246 CD 55.26	V	ZK1AA
09091435	KHON	2 HI -1635 55.26	V	ZK1AA
09100625	KH6HME	HI & TV to ch 5	B	ZK1AA
09100625	KHON	2 HI -1135 55.26	V	ZK1AA
09110835	KHON	2 HI -1245 CD 55.26	V	ZK1AA
09111433	KHON	2 HI -1603 weak 55.26	V	ZK1AA
09120700	KH6HME	HI & TV to ch 5	V	ZK1AA
09120700	KHON	2 HI -0735 55.26	V	ZK1AA
0913XXXX	KHBC	2 HI & TV to ch 5	V	ZK1AA
0913XXXX	KHON	2 HI 3 hrs weak 55.26	V	ZK1AA
09140400	KH6/K6GSS	50.110	V	73AT
09140400	KH7R 60°	BL01 xKH6HH 50.110	V	73AT
0914XXXX	KH6HME	HI & TV to ch 5	B	ZK1AA
0914XXXX	KHON	2 HI 3 hrs weak 55.26	V	ZK1AA
09150500	KH6HME	HI & TV to ch 5	B	ZK1AA
09150500	KHON	2 HI -1230 55.26	V	ZK1AA
09170600	KH6HME	HI & TV to ch 5	B	ZK1AA
09170600	KHON	2 HI -1220 55.26	V	ZK1AA
09190612	KH6HME	HI & TV to ch 5	B	ZK1AA
09190612	KHON	2 HI -1212 55.26	V	ZK1AA
09191500	KHON	2 HI -1600 55.26	V	ZK1AA
09210510	KH6HME	HI & TV to ch 5	B	ZK1AA
09210510	KHON	2 HI -1110 55.26	V	ZK1AA
09230530	KH6HME	HI & TV to ch 5	B	ZK1AA
09230530	KHON	2 HI -1130 55.26	V	ZK1AA
09240635	KH6HME	HI & TV to ch 5	B	ZK1AA
09240635	KHON	2 HI -1145 55.26	V	ZK1AA
09240700	KH6HI & KH6HME	040°	B	YJ8UU
09250640	KH6HME	HI & TV to ch 5	B	ZK1AA
09250640	KHON	2 HI -1125 55.26	V	ZK1AA
09260605	KH6HME	HI & TV to ch 5	B	ZK1AA
09260605	KHON	2 HI -1253 55.26	V	ZK1AA
09270728	KHBC	2 HI Hilo to CH 5	V	ZK1AA
09270728	KHON	2 HI -1228 55.26	V	ZK1AA

MARSHALL IS.

09050451 V73AT 240° 50.110 KH7R

MinamiToriShima

08060928 JD1BIY QL64 > PM85 50.110 H JE2DWZ
 08110848 JD1BIY > PM63 50.110 H JA5CMO
 08160636 JD1/JA0SUQ QL64>PM53 50.155 S JH6VXP

Reports of South America

ARGENTINA

09192300	LU8EWD,	LU3EMK -0030	W	WP40
09192300	+LU5DDX,	LU1DMA -0030	W	WP40
09192300	+LU5JAU,	LU7FA -0030	W	WP40
09192300	+LU8EWD,	LU9EHF -0030	W	WP40
09192300	+LW6EWQ,	LU2EGQ -0030	W	WP40
09192300	+LW7DWW,	LU3CGG -0030	W	WP40
09230030	+LU9EWD	-0100 > FK68	W	WP40
09230030	+LW5EJU	-0100 > FK68	W	WP40
09230030	+LW6EUQ	-0100 > FK68	W	WP40
09232050	LW5EJU	50.110	W	WP40

BRAZIL

09192300	+PY5CC	-0030	W	WP40
09230030	+PY5CC	-0100 > FK68	W	WP40

ECUADOR

09202100 HC2FG 59+ FI07 W CO20J

URUGUAY

09192300	+CX6DH,	CX1AO, CX4AAJ -0030	W	WP40
09230030	+CX4AAJ	-0100 > FK68	W	WP40

EME News

Bob Mangnani, K6QXY, writes that his new EME array is up and works very well. It consists of four 13 el 3λ Yagis stacked 37' horizontally and 35' vertically. He calculates the gain as 19.7 dBd, and he can hear his own echoes from the moon most any time.

He reports working the following stations:

7/22 W7XU four 2λ M² stacked vertically on 190' tower.
 8/19 W7EME (Idaho) E-W Sterba curtain with 15+ dBd gain
 9/16 W7GJ 7 el Yagi 1.75λ long, 70' high
 9/17 VE1ZJ 6 el Cushcraft Boomer about 20' high
 9/17 GD0TEP four 7 el Create Yagis

The GD0TEP contact was the first GD to W6 QSO that they know of, and country #107 for K6QXY. It looks like he can work a single Yagi station with a kW and ground gain.

DX Operations Upcoming/Ongoing

YC0UVO, Indonesia: promised to be on in early September with a new antenna for 6. He remarks that their beacon, YB0ZZ, is still on 50.0425 running 5W to a GP.

9M2TO, West Malaysia: Tex, ex JA0DMV, is now QRV with an IC-551 + 150W PA and 4 el beam 30m up.

SV5BYR, Dodecanese Is.: is in KM46CF with a new Ten-Tec transverter and 5 el Yagi. Tnx 4Z5JA via SM7AED.

EM1KA, Antarctica: will be QRV from the Ukrainian research base at Vernadsky for another year with the possibility of some 6m operation from there. QSL via JA2JPA.

YK1AO, Syria: Omar has received official permission to operate on 50-54 MHz, but will not be QRV until 1998.

D2AI, Angola: CT4KO will try to schedule some 6m activity along with his HF and RS-12 satellite activity. QSL via CT1EGH.

6W1QV, Senegal: from IK14 with a TS690 and 5 el Yagi up 25m. QSL via F6FNU.

KM4MQG/XE3, Cozumel: was to be QRV with 100W and a 3-el beam from the 12th (top) floor of his hotel on the island of Cozumel (Mexico) September 6-12. Did anyone work him on 6m?

Beacon News

KA0CDN: 50.065 DM79 20W Double ring halo @ 30'

VE6XIS: A note from John Kirk indicates that we can strike VE6XIS off the list permanently as he has been unable to find a home for it far enough away from cordless phones. "With two other beacons in VE6, the motivation to find such a site diminishes."

WG8T: 50.070, 1W to dipole.

KD4AOZ: 50.061 EM83.

GB3IOJ: 50.065, now using a "V" antenna with preferred directions E/W.

W5VAS: 50.060 EM40 +/- 110W to a Squalo @350' runs for ~45 sec and shuts down for about 35-40 sec. Tyrone, N5XES.

FO5JL, FO5OK: 144.150 {I usually don't list beacons on bands other than 6m, but these are designed for TEP/Tropo to the USA (an ambitious undertaking).} FO5JL is on Moorea, BH52GQ. A short transmission is made every 5 minutes at 10 wpm with a Yaesu FT480R, 10W to a Tonna 9el Yagi oriented at 30°. The FO5OK beacon on Tahiti uses an Icom 970H with two 9el Yagis oriented at 33°. Please advise by fax at (011)689 533849 if you hear anything.